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(without alignments)
151.577 Million cell updates/sec
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GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.
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Perfect score:
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result . 8

Description	Vascular endotheil VEGF specific anti VEGF specific anti VEGF gene fragment VEGF Gene fragment VEGF A gene fragment VEGF expression in Antisense sequence
QI	AA164166 AAH23084 AAH23032 AAH23033 AAH23033 AAH23030 AAH23040 AAH23040 AAH23040
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Query Match Length DB	21 21 21 21 21 21 21 33
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WPI; 2001-637975/73.

Human VEGF-A rever	<		expression	••	expression	VEGF expression in	VEGF expression in					VEGF expression in	vege expression in					The state of the s	Immunosuppressant	VEGE CAPTESSION	VEGF nammerneau	VEGF expression in	Human CAAA process	Mutant vascular en	Immunosuppressant	VEGF expression in	Sednence antisense	VEGF expression in	Human lung tumour	Human spliced tran		Unman CAAX DIOCESS	Cardida lualtaniae	Water to the trans	בסכתת מבידור בייני	_	Human multi drug t	
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ALIGNMENTS

RESULT 1 AA164166

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Vascular endothelial growth factor; VEGF; cytostatic; anti-HIV; anti-inflammatory; immunosuppressive; antipsoriatic; VEGF inhibitor; Raposi's sarcoma; vascular proliferation; cancer; antisense; tumour; proliferative retinal disease; rheumatoid arthritis; lupus erythematosus; psorlasis; pemphigus; proliferative retinopathy; diabetes mellitus; ss.
                                                                    Vascular endothelial growth factor antisense oligonucleotide (Veglin-3).
AA164166 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                           97US-037004P.
                                                                                                                                                                                                                                                                  98US-0016541.
                                                        22-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                             Gill PS, Masood R;
                                                                                                                                                                                                                                                                                                                     (GILL/) GILL P S. (MASO/) MASOOD R.
                                                                                                                                                                                                                                                                                             31-JAN-1997;
                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                               US6291667-B1.
                                                                                                                                                                                                                                                                   30-JAN-1998;
                                                                                                                                                                                                                                          18-SEP-2001.
                                AAI64166;
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The present sequence represents a vascular endothelial growth factor (VEGP) antisense oligonucleotide, designated Veglin-3. The specification describes two new VEGP antisense oligonucleotides. The invention relates to the pharmacological use of VEGF inhibitor antisense oligonucleotides have to the pharmacological use of VEGF inhibitor antisense oligonucleotides have antipsoriatic activities. The antisense oligonucleotides act as VEGF inhibitors. The VEGF antisense oligonucleotides are not only useful for treating Kaposi's sarcoma but other diseases in which vascular collagen vascular diseases in the collagen vascular diseases (e.g. cancer, proliferative retinal diseases or enythematosus, psoriasis and pemphigus). The oligonucleotides can be proliferative retinopathy, and proliferative anglopathies of diabetes
                                         useful for treating Kapogi's sarcoma, and diseases associated with vascular proliferation, e.g. cancer, proliferative retinal diseases.
                     New vascular endothelial growth factor antisense oligonucleotides,
                                                                                                             Claim 1; Column 13; 22pp; English.
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100.0%; Score 21; DB 22; Length 21; 90.5%; Pred. No. 0.76; tive 2; Mismatches 0; Indels Sequence 21 BP; 5 A; 3 C; 6 G; 7 T; 0 other; 1 UGGCTTGAAGATGTACTCGAU 21 Best Local Similarity 90.5 Matches 19; Conservative à a

٠; 0

Gaps

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VEGF specific antisense oligo Veglin-3. AAH22984 standard; DNA; 21 BP. (first entry) 17-SEP-2001 AAH22984; RESULT 2 AAH22984

Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.

Homo sapiens. Synthetic

WO200152904-A2. 26-JUL-2001. 19-JAN-2001; 2001WO-US00019. 19-JAN-2000; 2000US-0487023

(GILL/) GILL P S.

Gill PS, Masood R;

WPI; 2001-451898/48.

Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, anglogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer

Claim 10; Page 16; 105pp; English.

The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothellal growth factor

Score 21; DB 22; Length 21; Pred. No. 0.76;

100.0%; 100.0%;

Query Match Best Local Similarity

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            defined with the determine very process. The concentration of against VEGF for inhibiting cancer call proliferation and anglogenesis. Preferably the oligonucleotide AAH23032 (a modified version of AAH22984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, pancreatic cancer or melanoma. The present sequence represents an antisense oligonucleotide directed against VEGF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor cells where the antisense oligonucleotides inhibits proliferation of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against vEGF for inhibiting cancer cell proliferation and anglogenesis. Preferably the oligonucleotide AAH23032 (a modified version of AAH22984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, prostrate cancer, pancreatic cancer or melanoma. The present sequence represents a mixed backbone derivative of an antisense oligonucleotide
 where the antisense oligonucleotides inhibits proliferation \delta f
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vascular endothelial growth factor; VEGF; antisense; angiogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      VEGF specific antisense oligo AS-3 mixed backbone derivative.
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                                                                                                                                           Sequence 21 BP; 5 A; 3 C; 6 G; 7 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                     AAH23027 standard; DNA; 21 BP.
                                                                                                                                                                                                                                          1 UGGCTTGAAGATGTACTCGAU 21
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                                                                                                                                                                                                                  Conservative
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es 19; Conserv
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(VEGF)
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19-JAN-2001; 2001WO-US00019.
     17-SEP-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor (VEGF) where the antisense oligonucleotides inhibits proliferation of cells exhibiting autocrine VEGF activity at an IC_50 concentration of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against VEGF for inhibiting cancer cell proliferation and angiogenesis. Preferably the oligonucleotide AMA13032 (a modified version of AMA12994) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, prostrate cancer, pancreatic cancer or melanoma. The present sequence represents a mixed backbone derivative of an antisense oligonucleotide
   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                         Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                              Vascular endothelial growth factor; VEGF; antisense; angiogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
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                                                                                                                                                           VEGF specific antisense oligo AS-3 mixed backbone derivative.
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100.0%; Pred. No. 0.76;
Live 0; Mismatches 0; Indels
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  Mismatches
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                     UGGCTTGAAGATGTACTCGAU 21
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                                1 UGGCTTGAAGATGTACTCGAU
                                                                                             AAH23032 standard; DNA; 21
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  Conservative
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                                                                                                                                                                                                                                                                                                                                                                  Masood R;
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                           (GILL/) GILL P S.
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21;
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The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor (VEGF) Where the antisense oligonucleotides inhibits proliferation of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against VEGF for inhibiting cancer cell proliferation and angiogenesis. Preferably the oligonucleotide AMA13032 (a modified version of AMA12984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, proscutate cancer, panoreatle cancer or melanoma. The present sequence represents a VEGF gene fragment.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                      Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                19-JAN-2000; 2000US-0487023.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAH23035/c
ID AAH23035 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 UGGCTTGAAGATGTACTCGAU
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 90.5
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VEGF-A gene fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-451898/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gill PS, Masood R;
VEGF gene fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GILL/) GILL P S.
                                                                                                                                                                                                                                           WO200152904-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200152904-A2
                                                                                                                                                                                 Homo sapiens
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                                                                                                                                                                                                                                                                                                        26-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26-JUL-2001.
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Sequence 33 BP; 9 A; 6 C; 11 G; 7 T; 0 other;
                                                                                                                                                                                                                                                  RESULT 8
                                                                                                                                                                                                                                                               AAH23010
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                                                                                                                                                          The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor (VEGF) where the antisense oligonucleotides inhibits proliferation of cells exhibiting autocrine VEGF activity at an IC_5_0 concentration of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against VEGF for inhibiting cancer cell proliferation and angiogenesis. Preferably the oligonucleotide AAM23032 (a modified version of AAM22984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, prostrate cancer, pancreatic cancer or melanoma. The present sequence
                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                             Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, anglogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human VEGF gene fragment complementary to AS-3m antisense oligo.
                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                      Length 21;
                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                     Score 21; DB 22;
Pred. No. 0.76;
2; Mismatches 0;
                                                                                                                                                                                                                                                                                 Sequence 21 BP; 7 A; 6 C; 3 G; 5 T; 0 other;
                                                                                                                                                                                                                                                             represents a VEGF-A gene fragment.
                                                                                                                                                                                                                                                                                          100.0%; Scor
90.5%; Pred
2; }
                                                                                                                                         Examples; Fig 17b; 105pp; English.
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                                                                                                                                                                                                                                                                                                                                                 7
                                                                                                                                                                                                                                                                                                                                                           21 TGGCTTGAAGATGTACTCGAT 1
          19-JAN-2000; 2000US-0487023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JAN-2001; 2001WO-US00019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-JAN-2000; 2000US-0487023
                                                                                                                                                                                                                                                                                                                                                 1 UGGCTTGAAGATGTACTCGAU
                                                                                                                                                                                                                                                                                                                                                                                                               AAH23040/c
ID AAH23040 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-SEP-2001 (first entry)
                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-451898/48.
                                                                         WPI; 2001-451898/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Masood R;
                                                     Masood R;
                                                                                                                                                                                                                                                                                                                 Local Similarity
                               (GILL/) GILL P S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GILL/) GILL P S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200152904-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                                                                                                                                                                                                                                                                                            19;
                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH23040;
                                                     G111 PS,
                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 7
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The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothalial growth factor (VEGF) where the antisense oligonucleotides inhibits proliferation of cells exhibiting autocrine VEGF activity at an IC_5_0 concentration of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against VEGF for inhibiting cancer cell proliferation and anglogenesis. Preferably the oligonucleotide AMI23032 (a modified version of AMI22984) is used and may be utilized to treat Kaposol's sarcoma, ovarian cancer, prostrate cancer, pancrealic cancer or melanoma. The present sequence represents a human VEGF gene fragment complementary to AS-3m antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vascular endothelial growth factor; VEGF; antisense; angiogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 21; DB 22; 90.5%; Pred. No. 0.76; ative 2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 7 A; 6 C; 3 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /EGF expression inhibiting antisense oligo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 3; Page 52; 105pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 TGGCTTGAAGATGTACTCGAT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAH23010 standard; DNA; 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   40200152904-A2
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Best Local Simi
Matches 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-SEP-2001
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Human VEGF-A reverse primer A4-R.
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                                                                                                  W0200162942-A2.
                                                                       Homo sapiens.
                                                                                                                      30-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAH23029;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          ART10121-T10128 represent antisense oligonucleotides, which are complementary to at least 8 consecutive nucleotides of the vascular endothelial growth factor (VEGF) gene (see AAT10120). These antisense squences inhibit the expression of VEGF to below 30% of normal expression. The antisense oligonucleotides may be used in diagnosis and treatment of diseases involving VEGF expression and associated abnormal angiogenesis, such as cancer, rheumatoid arthritis and diabetes.
                               ö
                                                                                                                                                                                             Vascular endothelial growth factor; VEGF; antisense oligonucleotide; thexapy; abnormal anglogenesis; cancer; rheumatoid arthritis; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                     Anti-sense polynucleotide complementary to VEGF sequence - inhibit growth factor expression and are used for diagnosis and treatment of
                                Gaps
                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 21; DB 17; Length 42; 90.5%; Pred. No. 0.84; 0; Indels 2; Mismatches 0; Indels
                                                                                                                                                                             Antisense sequence #6 to vascular endothelial growth factor.
           100.0%; Score 21; DB 22; Length 33; 90.5%; Pred. No. 0.81; tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                  Kondo S, Matsuda Y, Tanaka Y, Uchida K, Uchida T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 42 BP; 12 A; 12 C; 9 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pred. No. 0.84
2; Mismatches
                                                                                                                        AAT10126 standard; cDNA to mRNA; 42 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 4; Page 44; 66pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAS12814 standard; DNA; 48 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-NOV-2001 (first entry)
                                                        1 UGGCTTGAAGATGTACTCGAU 21
                                                                   95WO-JP01121.
                                                                                                                                                                                                                                                                                                                         94JP-0311130.
94JP-0145146.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 90.5
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                cancer and other diseases
                                                                                                                                                                 21-AUG-1996 (first entry)
                                       Conservative
                                                                                                                                                                                                                                                                                                                                                      (TOAG ) TOA GOSEI KK.
                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1996-068870/07.
                       Ouery Match
Best Local Similarity
Matches 19; Conserv
                                                                                                                                                                                                                                                                                                                            21-NOV-1994;
                                                                                                                                                                                                                                                                    WO9600286-A1
                                                                                                                                                                                                                                                                                                         07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                    27 - JUN-1994;
                                                                                                                                                                                                                                                                                      04-JAN-1996.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                AAT10126;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAS12814
                                           Matches
                                                                                                               RESULT 9
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The present invention relates to polypeptides that bind cellular receptors for vascular endothelial growth factors (VEGFs), the receptors for vascular endothelial growth factors (VEGFs), the polynucleotides encoding them, and their use for identifying agents that compute interactions between VEGFs and their receptors play an important role in vasculogenesis, the development of receptors play an important role in vasculogenesis, the development of the embryonic vasculature from early differentiating endothelial cells and angiogenesis, the process of forming new blood vessels from and angiogenesis, the process of interactions between VEGF and its pre-existing ones. Modulators of interactions between VEGF and its preceptors may be used to treat dysfunction of the endothelial cell ceptors with the polypeptide cancers, abnormal angiogenesis, receptor binding profiles compared to known naturally occurring VEGFs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; VEGF-A; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polypeptides that bind cellular receptors for vascular endothelial growth factors, polynucleotides encoding them -
Human; vascular endothelial growth factor; VEGF-A; vasculogenesis; angiogenesis; blood vessel; cancer; proliferative retinopathy; psoriasis; age-related macular degeneration; rheumatoid arthritis; cardiovascular; primer; mutant; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1; Page 87; 261pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          methods of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH23029 standard; DNA; 62 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  25-FEB-2000; 2000US-0185205.
18-MAY-2000; 2000US-0205331.
                                                                                                                                                                                                                                                                                                                                                                             26-FEB-2001; 2001WO-US06113.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alitalo K, Jeltsch MM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 19; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-536640/59.
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The invention provides a composition comprising one or more antisense (VEGF) where the antisense oligonucleotides inhibits prowth factor cells exhibiting autocrine vegF activity at an IC_5 o concentration of against vegF for inhibiting cancer cell proliferation of Preferably the oligonucleotide AAH23032 (a modified version and anglogenesis. is used and may be utilized to treat Kaposi's safred version of AAH22984) prostrate cancer, pancreatic cancer or melanoma. The present sequence
                                                                                                                                                                Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 21; DB 22; Length 62; 90.5%; Pred. No. 0.89; tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                Sequence 62 BP; 12 A; 17 C; 18 G; 15 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VEGF expression inhibiting antisense oligo.
                                                                                                                                                                                                             Examples; Fig 14; 105pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 90.5%; Pries 19; Conservative 2;
                                             19-JAN-2001; 2001WO-US00019.
                                                                      19-JAN-2000; 2000US-0487023.
                                                                                                                                                                                                                                                                                                                                                                                                                                      1 UGGCTTGAAGATGTACTCGAU 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH23005 standard; DNA; 20 BP
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                                                                                                                                            WPI; 2001-451898/48.
                                                                                                                      Mascod R;
                                                                                             (GILL/) GILL P S.
WO200152904-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GILL/) GILL P S.
                        26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200152904-A2.
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                                                                                                                    G111 PS,
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor (VEGF) where the antisense oligonucleotides inhibits proliferation of between 0.5-2.5 micro Ma. The antisense oligonucleotides inhibits proliferation of against VEGF for inhibiting ancer cell proliferation and anglogenesis. Preferably the oligonucleotide AAH22032 (a modified version of AAH22084) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, procease oligonucleotides of medanoma. Sequences AAH22985-23011 represent antisense oligonucleotides directed against VEGF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor cells where the antisense oligonucleotides inhibits proliferation of between 0.5.2.5 micro Ma. The antisense oligonucleotides concentration of against VEGF for inhibiting cancer cell proliferation and angiogenesis. Preferably the oligonucleotide AMH23032 (a modified version of AAH22984)
            Novel antisense oligonucleotides useful for inhibiting vascular
endothelial growth factor expression, anglogenesis and for treating
cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vascular endothelial growth factor; VEGF; antisense; anglogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
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                                                                                                                                                                                                                                                                                                                           95.2%; Score 20; DB 22; Length 20; 95.0%; Pred. No. 2.3; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                   Sequence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VEGF expression inhibiting antisense oligo.
                                                                             Claim 10; Page 52; 105pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 10; Page 52; 105pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAH23008 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                     19-JAN-2001; 2001WO-US00019.
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                                                                                                                                                                                                                                                                                                                                                     19; Conservative
                                                                                                                                                                                                                                                                                                                                     Similarity
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VEGF expression inhibiting antisense oligo.

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17-SEP-2001 (first entry)

AAH22999;

AAH22999 standard; DNA; 21 BP.

RESULT 15

AAH22999

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is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, prostrate cancer, pancreatic cancer or melanoma. Sequences AAH22985-23011 represent antisense oligonucleotides directed against VEGF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention provides a composition comprising one or more antisense oligonucleotides directed against vascular endothelial growth factor (VEGF) where the antisense oligonucleotides inhibits proliferation of between 0.5-2.5 micro Ma. The antisense oligonucleotides may be directed against VEGF for inhibiting cancer. call proliferation and angiogenesis. Preferably the oligonucleotide AAH23032 (a modified version of AAH22984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer, prostrate cancer, pancreatic cancer or metanoms.
                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, angiogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                            Vascular endothelial growth factor; VEGF; antisense; angiogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
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                                                                                                          95.2%; Score 20; DB 22; Length 20; 95.0%; Pred. No. 2.3;
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                                                                     Sequence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                           VEGF expression inhibiting antisense oligo.
                                                                                                                                           1; Mismatches
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                                                                                                                                                                                                                                                                                                  AAH22998 standard; DNA; 21
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                                                                                                   Query Match
Best Local Similarity 95.0°
Matches 19; Conservative
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                                                                                                                                                                                                                                                                     RESULT 14
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The invention provides a composition comprising one or more antisense oligonuclectides directed against vascular endothelial growth factor (VEGF) where the antisense oligonuclectides inhibits proliferation of cells exhibiting autocrine VEGF activity at an IC_5_0 concentration of between 0.5-2.5 micro Ma. The antisense oligonuclectides may be directed against VEGF for inhibiting cancer cell proliferation and angiogenesis. Preferably the oligonuclectide AAH23032 (a modified version of AAH22984) is used and may be utilized to treat Kaposi's sarcoma, ovarian cancer prostrate cancer, pancreatic cancer or melanoma. Sequences AAH22985-2301, represent antisense oligonuclectides directed against VEGF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel antisense oligonucleotides useful for inhibiting vascular endothelial growth factor expression, anglogenesis and for treating cancer, e.g., Kaposi's sarcoma, ovarian cancer and prostrate cancer
                                                                                                       Vascular endothelial growth factor; VEGF; antisense; angiogenesis; cell proliferation; Kaposi's sarcoma; cancer; melanoma; cytostatic; antisense therapy; ss.
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Job time : 313 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3; Page 52; 105pp; English.
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0; Indels

95.2%; Score 20; DB 22; Length 21; 95.0%; Pred. No. 2.3; 1.4e 1; Mismatches 0; Indels

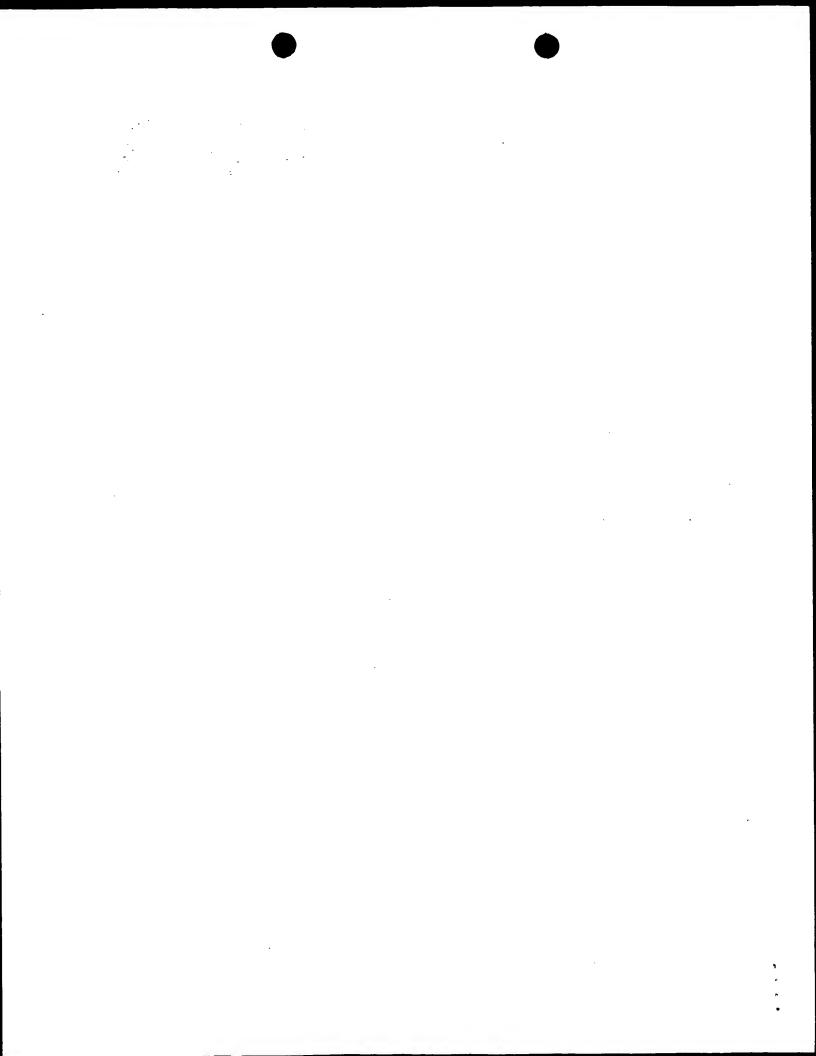
1 UGGCTTGAAGATGTACTCGA 20

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19; Conservative

Best Local Similarity

Query Match Matches



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Sequence 7, Appli
Sequence 50, Appl
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49, Appl
6, Appli
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Sequence 109, App
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Sequence 44,
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Sequence 45,
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90.707 Million cell updates/sec
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                                                               December 23, 2002, 05:30:18; Search time 71 Seconds
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/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-765-340-50

US-08-765-340-51

US-08-765-340-51

US-08-617-200A-42

US-08-765-340-49

US-09-044-796A-6

US-09-031-626-109

US-09-031-626-109

US-09-031-626-109

US-09-031-626-109

US-08-645-267

US-08-645-267

US-08-648-511-48

US-08-68-1009-48

US-08-68-1009-48

US-09-68-115-21

US-09-031-626-112

US-09-031-626-112

US-09-031-626-112

US-09-031-626-112

US-09-031-626-113

US-09-031-626-113
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                                                                                                                                                                                            441362 seqs, 153338381 residues
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Maximum Match 100%
Listing first 45 summaries
                                                OM nucleic - nucleic search, using sw model
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Match Length DB
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Maximum DB seq length: 75
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Sequence 7, Al
Sequence 8, Al
Sequence 11,
Sequence 11,
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Sequence 13,
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                                                                                                                     Sequence
                                                                                Sequence
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APPLICANT: Gill, Parkesh
APPLICANT: Mascod, Rizwan
APPLICANT: Mascod, Rizwan
TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF
TITLE OF INVENTION: KAPOGI'S SARCOMA
TITLE OF INVENTION: KAPOGI'S SARCOMA
FILE REFERENCE: 21327-701
CURRENT APPLICATION NUMBER: US,60/037,004
EARLIER APPLICATION NUMBER: US,60/037,004
EARLIER APPLICATION NUMBER: 1997-01-31
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 21
                                       Sequence
  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 21; DB 4; Length 21; Best Local Similarity 90.5%; Pred. No. 0.05; O: Indelematches 19; Conservative 2; Mismatches 0: Indelematches
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APPLICANT: TANAKA, Y.,
APPLICANT: TANAKA, Y.,
APPLICANT: MATSUDA, Y.,
APPLICAN
US-08-456-840-11
US-08-266-407A-11
US-08-892-544-11
US-08-765-340-138
US-09-121-539-4
US-09-121-539-5
US-08-608-584-23
US-08-608-584-23
US-08-640-737-10
US-08-010-011A-7
US-08-014-723-8
US-08-110-011A-8
US-08-110-011A-8
US-08-307-444A-11
US-08-307-444A-11
US-08-587-389-11
US-08-587-389-13
US-08-587-389-13
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US-08-587-389-13
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US-08-587-389-13
US-08-587-389-13
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Sequence 2, Application US/09016541

Patent No. 6291667

GENERAL INFORMATION:
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GENERAL UNFORMATION:
APPLICANT: UCHIDA, T.,
                US-08-765-340-7/c
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 145146/94
FILING DATE: 27-JUN-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 311130/94
FILING DATE: 21-NOV-1994
ATTORNEY/AGENT INFORMATION:

NAME: SERVILING, LESLIE

PROFESSION NUMBER: CALLED TO THE T
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Best Local Similarity 95.0%
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 90.5%; Pred. No. 0.056;
Matches 19; Conservative 2; Mismatches 0; Indels
        COUNTRY:

COUNTRY:

COUNTRY:

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version
SOFTWARE: #1.30 (EPD)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/765,340

FILING DATE: 23-DEC-1996
FRIOR APPLICATION NUMBER: US/08/765,340

FILING DATE: 21-NOV-1994
FILING DATE: 21-NOV-1994
APPLICATION NUMBER: UP 311130/94
APPLICATION NUMBER: UP 311130/94
APPLICATION NUMBER: UP 31130/94
APPLICATION NUMBER: UP 31130/94
APPLICATION NUMBER: 13 > 35.3
FELENG PRICE THORNATION:
FELENG PRICE SERUNTANI LESLIE
REGESTRATION NUMBER: 1452-400
TELECHHOME: (212) 758-4800
TELECHHOME: (212) 758-4800
TELECHHOME: (212) 751-6849
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
STRANDEDNESS: single
"VPE: CDNA to MRN/"
"VPE: CDNA to MRN/"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 50, Application US/08765340

Sequence 50, Application US/08765340

Sequence 10, 6150092

SEMERAL INFORMATION:
APPLICANT: UCHIDA, K.,
APPLICANT: UCHIDA, T.,
APPLICANT: TANARA, Y.,
APPLICANT: MATSUDA, T.,
APPLICANT: MATSUDA, Y.,
TITLE OF INVENTION: AN ANTISENSE NUCLEIC ACID NUMBER OF SEQUENCES: 185
CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSE: MORGAN & FINNEAR STREET: 345 Dar.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/765,340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 UGGCTTGAAGATGTACTCGAU 21
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ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
NEW YORK
NEW YORK
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FILING DATE: 23-DEC-1996

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: UCHIDA, K.,
APPLICANT: UCHIDA, T.,
APPLICANT: TANKA, Y.,
APPLICANT: APASUDA, Y.,
APPLICANT: MANTSUDA, Y.,
APPLICANT: MAYSUDA, Y.,
APPLICANT: AND MATSUDA, Y.,
APPLICANT: MAYSUDA, Y.,
APPLICANT: AND MATSUDA, Y
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: Inear " MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                          1452-4005
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APPLICATION DATA:
APPLICATION NUMBER: JP 145146/94
FILING DATE: 37-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 311130/94
NAME: SERUNIAN, LESLIE
REGISTRATION NUMBER: 35,353
REFERENCE/DOCKET NUMBER: 1452-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
STRENDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 51, Application US/08765340
Patent No. 6150092
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: SERUILAN LEGLIE
REGISTRATION NUMBER: 35,353
REFERENCE/DOCKET NUMBER: 1452-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 GGCTTGAAGATGTACTCGAU 21
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PRIOR APPLICATION DATA:
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                                                                              COUNTRY: United States ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: unkno
                       San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: unknown MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-567-200A-42
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US-08-691-794-45
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APPLICANT: Keyt, Francis H.
APPLICANT: Keyt, Prancis H.
APPLICANT: Rerrara, Napoleone
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
TITLE OF INVENTION: Production
TITLE OF INVENTION: Production
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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APPLICANT: Wang, Tongtong
APPLICANT: Ralos, Michael D.
APPLICANT: Bangur, Chaltanya S.
APPLICANT: Bangur, Chaltanya S.
APPLICANT: Posken, Nancy
APPLICANT: Fasmel X.
APPLICANT: Honger, Gary R.
APPLICANT: Henderson, Robert A.
APPLICANT: Menderson, Robert A.
APPLICANT: Mondelson, Robert A.
APPLICANT: Mondelson, Robert A.
APPLICANT: Mondelson, Robert A.
APPLICANT: Mondelson, Robert A.
APPLICANT: MONEILI, Particia D.
TITLE OF INVENTION: AND INGROSIS OF LUNG CANCER
TITLE OF INVENTION: AND INGROSIS OF LUNG CANCER
TITLE OF INVENTION: AND INGROSIS OF LUNG CANCER
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
CURRENT FILING DATE: 2000-08-21
COURSIS PARTICANT OF THE MANANA VARIANA VA
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                                                                                                                                                                                                                                                                                                                                       DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                              Score 15; DB
Pred. No. 53;
1; Mismatches
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                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 42, Application US/08567200A Sequence 42, Application US/08567200A Sequence 10. 6020473 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 355, Application US/09643597
; Patent No. 6426072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                        71.4%;
93.3%;
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TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: Primer US-09-643-597-355
                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                      20 base pairs
                                                                                                                                        nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1. UGGCTTGAAGATGTA 15
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Best Local Similarity
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                                                                                                                                                                STRANDEDNESS:
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LENGTH: 24
                                                                                                                                                                                                                                                                                                 US-08-765-340-51
                                                                                                             LENGTH:
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APPLICANT: Keyt, Bruce A.
APPLICANT: Keyt, Bruce A.
APPLICANT: Retrara, Napoleone
APPLICANT: Ferrara, Napoleone
APPLICANT: Cunningham, Brian C.
APPLICANT: Wells, James A.
APPLICANT: L. Bing
APPLICANT: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
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ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/691,794
                                                                                                                                                                                                                                                                                                   COMPUTER REALDING FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/567,200A
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A-62326-1/WHD
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FILING DATE: 02-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 45, Application US/08691794; Patent No. 6057428; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/POCKET NUMBER: A-62:
TELECOMMUICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (415) 398-3249
TELEX: 910 27729
INFORMATION FOR SEQ 19 0: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.38
Matches 15; Conservative
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MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              San Francisco
California
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US-08-765-340-49
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LENGTH: 73
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                                                                                                                                                                                                                                                                                                                                                                                                              70.5%; Score 14.8; DB 3; Length 27; 83.3%; Pred. No. 71; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 49, Application US/08765340

Setent No. 6150092

GENERAL INPORMATION;

APPLICANT: UCHIDA, K.,

APPLICANT: UCHIDA, K.,

APPLICANT: TANAKA, Y.,

APPLICANT: KONDO, S.

TITLE OF INVENTION: AN ANTISENSE NUCLEIC ACID

NUMBER OF SEQUENCES: 185

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATION SYSTEM: PC_DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
SOFTWARE: #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/765,340
FILING DATE: 23-DEC-1996
PRION APPLICATION DATA:
                                                                                                                                                          A-63758/WHD
                                                    APPLICATION NUMBER: US 08/567,200 FILING DATE: 05-DEC-1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: JP 311130/94
FILING DATE: 21-NOV-1994
ATTONING PAGE: 21-NOV-1994
ATTONING PAGE: 31-NOV-1994
NAME: SERGNIAN, LESLIE
REGISTRATION NUMBER: 35,353
REFERENCE/DOCKET NUMBER: 1452-4005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                    NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A 637
TELECOMMUNICATION INFORMATION:
TELEFHONE: (415) 781-1989
TELEFAX: (415) 398-3249
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TENGTH: 27 base pairs
TENGTH: 27 base pairs
TENGTH: 27 base pairs
TENGTH: 127 base pairs
TENGTH: 127 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: JP 145146/94
FILING DATE: 27-JUN-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-691-794-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 CTTGAAGATGTACTCGAU 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 83.39
Matches 15; Conservative
                  FILING DATE: 25-AUG-7
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                            unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC
OPERATING SYSTEM:
SOFTWARE: PatentI
                                                                                                                                                                                                                                                                                                  TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.8; DB 4; Length 73;
Pred. No. 2.76+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6, Application US/09044796A

Sequence 6, Application US/09044796A

GENERAL INFORMATION:
APPLICANT: Gentz, Reiner L.
APPLICANT: Coleman, Timothy A.
ITILE OF INVENTION: Expression Control Sequences
CURRENT APPLICATION NUMBER: US/09/044,796A

CURRENT APPLICATION NUMBER: US/09/044,796A

PRIOR FILING DATE: 1997-09-30
PRIOR PLILOATION NUMBER: 09/044,796

PRIOR PLILING DATE: 1999-09-30

PRIOR PLILING DATE: 1999-09-30

PRIOR PLILING DATE: 1999-09-30

NUMBER OF SEQ ID NOS: 14

SEQ ID NOS: 14

SEQ ID NOS: 14

SEQ ID NOS: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6. Application US/09725460A

Sequence 6. Application US/09725460A

GENERAL INFORMATION:
APPLICANT: Gentz et al.
TITLE OF INVENTION: Expression control sequences
CURRENT APPLICATION UNMBER: US/09/725,460A

PRIOR PAPLICATION NUMBER: US/09/725,460A

PRIOR FILING DATE: 1998-03-20
PRIOR PILICATION NUMBER: US 09/044,796

PRIOR FILING DATE: 1998-03-20

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Patentin Version 3.1
                                                                                                 TOPOLOGY: Innear MoLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "synthetic DNA"
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 20 base palre TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             65.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 GGCTTGAAGATGTACTC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      37 GGCTTTAAGATGTACCC 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                8 AAGATGTACTCGAU 21
                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
US-09-044-796A-6
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Best Local Similarity
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COUNTRY:
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Sequence 109, Application US/09031626
Sequence 109, Application US/09031626
Sequence 109, Application
APPLICANT: Acton, Susan L.
APPLICANT: Acton, Susan L.
APPLICANT: Ordovas, JOSE M.
TITLE OF INVENTION: DIAGNOSTIC ASSAYS AND KITS FOR BODY MASS AND
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS
TITLE REPRENCE: MASS AND
CURRENT APPLICATION NUMBER: US/09/031, 626
CURRENT FILING DATE: 1998-02-27
SEARLIER APPLICATION NUMBER: 08/890, 979
EARLIER FILING DATE: 1997-07-10
SOFTWARE: PALENTIN VET. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match
64.8%; Score 13.6; DB 3; Length 31;
Best Local Similarity 75.0%; Pred. No. 2.9e+02;
Matches 15; Conservative 1; Mismatches 4; Indels
                                                                                                                                                                                                                                                               RESULT HEADLY SEQUENCE 109, Application US/09032894
; Sequence 109, Application US/09032894
; PATENT No. 6130041
; GREERAL INFORMATION:
    APPLICANT: Acton, Susan L.
    TITLE OF INVENTION: SR-BI US/09/032,894
; TITLE REPERFORE: MIA-005.03
; CURRENT FILING DATE: 1998-02-27
; CURRENT FILING DATE: 1998-02-27
; EARLIER APPLICATION NUMBER: 08/890,980
; EARLIER PILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PATENTIN Ver. 2.0
; SEQ ID NO 109
; LENGTH: 31
                   Score 13.8; DB 4; Length 73;
Pred. No. 2.7e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 GGCTTGAAGATGTACTCGAU 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 75.0%
watches 15; Conservative
                                    65.7%;
                                                                                                                        2 GGCTTGAAGATGTACTC 18
||||| || |||||||||| |
37 GGCTTTAAGATGTACCC 53
                                       Ouery Match
Best Local Similarity 88.28
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Human
US-09-031-626-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
CRGANISM: Human
US-09-032-894-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-031-626-109/c
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US-09-725-460A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: The letter "N" stands for any base.
                                                                                                                                                                      CARRESPONDENCE: LVOOR STREETS OF STREET OF TITLE OF INVENTION: COMPOSITION OF GENE. EXPRESSION TITLE OF INVENTION: MODULATION OF GENE. EXPRESSION TITLE OF INVENTION: IN PLANTS NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:
ADDRESSEE: LVOOR STREET OF STREETS STREETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: SUCHASHIDE
COMPUTER: IBM Compatible
OPERATING SYSTEW: IBM P.C. DOS 5.0
SOFTWARE: word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION NUMBER: 60,001,135
FILING DATE: July 13, 1995
FILING DATE: July 13, 1995
FILING DATE: July 13, 1995
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: WAIDLEY, RICHARD 32, 327
REFERENCE/DOCKET NUMBER: 32,327
REPECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                      APPLICANT: Zwick, Michael G.
APPLICANT: Edington, Brent E.
APPLICANT: Edington, James A.
APPLICANT: Merlo, Patricia Ann Owens
APPLICANT: Guo, Lining
APPLICANT: Young, Scott A.
APPLICANT: Folkerts, Otto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MD
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 22, Application US/09164023 ; Patent No. 6140054
Sequence 267, Application US/08679645
Patent No. 6350934
                                                                                                                                                                                                                                                                                                                                                                                          E: Lyon & Lyon
633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (213) 489-1600
TELERAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 267:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 UGGCTTGAAGATGTACTCGAU 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 UGGCCUGAUGANGAAAUCGAU 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Wittwer, Carl T
APPLICANT: Bernard, Philip S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 66.74
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Los Angeles
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RY: U.S.A.
90071-2066
                                                             GENERAL INFORMATION:
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TITLE OF INVENTION: Multiplex Genotyping Using Fluorescent Hybridization TITLE OF INVENTION: Probes FILE REFERENCE: 7475-61466 CURRENT APPLICATION NUMBER: US/09/164,023 NUMBER OF SEQ ID NOS: 22 SOFTHARE: PALENT VELL NOS: 22 SOFTHARE: PALENT VELL NOS: 22 SOFTHARE: PALENT VEL. 2.0 SEQ ID NO 22 LENGTH: 45
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                                                                                                                                                                                                                                             64.8%; Score 13.6; DB 3; Length 45; 75.0%; Pred. No. 3.1e+02; tive 1; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FO COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/483.511
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 48 Application US/08483511
Fatent No. 6297046
GENERAL INFORMATION:
APPLICANT: Jolly, Douglas J.
APPLICANT: Chang, Stephen M.W.
APPLICANT: Chang, Stephen M.W.
APPLICANT: Tee, William T.L.
APPLICANT: Townsend, Kay
APPLICANT: O'Dea, Joanne
TITLE OF INVENTION: HEPATITIS THERAPEUTICS
NUMBER OF SEQUENCES: 84
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALICURE, ADEAL INFORMATION

NAME: MCMBSLERS, DAVID D.

REGISTRATION NUMBER: 33,963

REFERENCE/DOCKET NUMBER: 930049.407CS

TELEPHONE: 206-622-4900

TELEPA: 3723936

INFORMATION FOR SEQ ID NO: 48:

SEQUENCE CHARACTERISTICS:

LENGTH: 68 base pairs

TYPE: nucleic acid

STANDEDBESS: single
                                                                                                                                                                                                                                                                                                              1 UGGCTTGAAGATGTACTCGA 20
                                                                                                                                                                                                                                                                                                                                 Ouery Match 64.8%
Best Local Similarity 75.0%
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 UGGCTTGAAGATGTACTCGA 20
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Best Local Similarity 75.0%
Matches 15; Conservative
                                                                                                                                                            TYPE: DNA
CRGANISM: Homo sapiens
US-09-164-023-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Abu.
STREET: 6300
CITY: Scattle
CARE Washington
                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-483-511-48/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.ZIP: 98104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
US-08-483-511-48
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Search completed: December 23, 2002, 07:15:23 Job time : 72 secs

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GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

Run on:

December 23, 2002, 05:27:58 ; Search time 2135 Seconds (without alignments) 159.300 Million cell updates/sec

US-09-805-761-34 21 Title: Perfect score:

1 uggettgaagatgtactegau 21 Sequence:

IDENTITY_NUC Gapop 10.0 , Gapext 1.0 Scoring table:

16154066 segs, 8097743376 residues Searched:

218680 ptal number of hits satisfying chosen parameters:

Animum DB seq length: 0 Maximum DB seq length: 75

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

em_estba:* EST: *

em_gss_fun:* em_gss_mam:* gb_gss:* em_gss_hum:* em_gss_vrt:* em_gss_inv:* em_gss_pln:* em_esthum: *
em_estin: *
em_estin: *
em_estoy: *
em_estpl: *
em_estpl: *
em_estpl: *
em_estin: *
gb_esti: *
gb_esti: * em_estfun:* em_estom:* gb_est3:* gb_est4:* gb_est5:* 114. 1177.... 118.... 122.... 123.... 124.... 125....

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. em_gss_mus:* em_gss_other:* em_gss_pro:* em_gss_rod:*

SUMMARIES

64.8 50 9 AU102868 64.8 66 10 AN119912 64.8 64 9 AN931487 62.9 52 9 AA755193	02;
61.9 71 10 AV554482	\$ \$ 7 \$ \$

A2804962 2M0066E10 BM308931 sak52d10. BM908931 sak52d10. BM957775 AV957775 AU256271 AU256271 T17567 mps v288 Th AU103181 AU103181 AU103182 AU103182 AU103183 AU103183 AU103183 AU103183 AU103184 AU103183 AU103189 AU103187 AU103189 AU103187 AU103189 AU103187 AU103189 AU103187 AU103189 AU103189 AU25019 601869445 AI156511 u442h10.r AL6608 ARABIGOPS AAB1867 AV835867 AAC3608 AU0031N11 AZ811384 AU0077D012 AAC3608 AU0077D02 AAC5618 AU10318111 AZ811384 AU0077D02 AAC5618 AU1603.S AAC3608 AU0077D02 AAC3608 AU0077D03.S AAC36082 AU003107.r AAC3608 AU0077 T bruce1 AU256228 AU25828 BH225923 100612980 AAS90325 au63617.r	, #, φ ± , φ
	127.20 7 B42211 7 BH89696 7 BH89699 AI790825 7 BH89220
227.24.24.24.24.24.24.24.24.24.24.24.24.24.	
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ALIGNMENTS

A1957173 N u182h07.x1 Sugano mouse embryo mewa Mus musculus cDNA clone IMAGE:2158621 3' similar to TR:002393 002393 HUMAN PAPILLOMAVIRUS 18 R5 CRWRRAL SEDIENCE MOTTE PROFEIN 1 :. mRNA sequence.	Σ		
RESULT 1 AI957173 LOCUS DEFINITION	ACCESSION VERSION KEYWORDS SOURCE ORGANISM	REFERENCE AUTHORS	TITLE JOURNAL COMMENT

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16 g
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                                                                                                                      64.8%;
75.0%;
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                                                                                                                                                                                                                                                                                                                 /note="Vector: pME185-FL3; Site_1: DraIII (CACTGTGTG); Site_2: DraIII (CACCATGTG); 1st strand cDNA was primed with an oligo(dT) primer [ArTGGGCCTTTTTTTTTTTTTTTTT]; double-stranded cDNA was ligated to a DraIII adaptor [TGTTGGCCTACTGG], digested and cloned into distinct DraIII sites of the pME185-FL3 vector (5' site CACTGTGTG, 3' site CACCATGTG). XhoI should be used to isolate the cDNA insert. Size selection was performed to exclude fragments <1.5kb. Library constructed by Dr. Sumio Sugano (University of Tokyo Institute of Medical Science). Custom primers for sequencing: 5' end primer CTGTGCTGTAAAAGCTGGG and 3' end primer CTGTGCAGCTGCAGACACA."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Suzuki, X., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano
Suzuki, Y., Yoshitomo and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

I (bases 1 to 50)
Suzuki,Y., Taira H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Y., Nakamura,Y., Suyama,A. and Sugano,S., Okubo,K., Sakaki
Jiverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    67.6%; Score 14.2; DB 9; Length 70; 78.9%; Pred. No. 1.3e+04; Live 1; Mismatches 3; Indels
                  Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: custom primer used
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                    1. 70
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/clone="Inha@s:2158621"
/clone="Inha@s:embryo, 14 dpc"
/lab_host="DH10B"
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/db_xref="taxon:9606"
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Best Local Similarity 78.99
Matches 15; Conservative
MGI:1001793
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Shoemaker, R., Kelm, P., Vodkin, L., Erpelding, J., Coryell, V., Khanna, A., Bolla, B., Marra, M., Hillier, L., Kucaba, T., Martin, J., Beck, C., Wylie, T., Underwood, K., Steptce, M., Theising, B., Allen, M., Bowers, Y., Person, B., Swaller, T., Gibbons, M., Pape, D., Harvey, N., Schurk, R., Hitter, E., Kohn, S., Shin, T., Jackson, Y., Cardenas, M., McCann, Public Soybean EST Project
L Unpublished (1999)
Contact: Shoemaker R/Public Soybean EST Project
Public Soybean EST Project
Washington University School of Medicine
4444 Person Straff Project
Washington University School of Medicine
Tel: 314 286 1800
Fax: 314 286 1810
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/tissue_IID="dis-circle"
/tissue_IID="dis-circle"
/lab_host="Atmin-Gold"
/note="Vector: pBluescript II XR; Site_1: BCORI; Site_2:
Xhof: This cDNA library was constructed from mRNA isolated
from immature flowers of field grown plants. The CDNA
library was prepared using the Strategene pBluescript II
XR library construction kit. Complementary DNA was
synthesized from mRNA using a primer consisting of a poly
(dT) sequence with a XhoI restriction site. EcoRI adapters
were ligated to the blunt-ended cDNA fragments followed by
XhoI digestion. The CDNA fragments were directionally
cloned into the EcoRI-XhoI restriction site of the
pBluescript vector. The ligated cDNA fragments were
transformed into XLO-Gold host cells. This library was
constructed by Dr. Randy Shoemaker and Dr. John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: est@watson.wustl.edu
This close is available through: ResGen, Invitrogen Corp. 2130
South Memorial Parkway Huntsville, AL 35801 For further information
call: (800)-533-4363 or contact via email: ccueresgen.com
Insert Length: 267 Std Error: 0.00
Seq primer: -40RP from Gibco.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60 bp mRNA linear EST 30-NOV-2001 sd54e02.y1 Gm-c1016 Glycine max cDNA clone GENOME SYSTEMS CLONE ID: AW119912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells" 17\ c 8 g 13\ t
                                                                                                                                                                                                                                                                               Gaps
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/db_xref="taxon:3847"
/clone="GENOME SYSTEMS CLONE ID: Gm-c1016-3603"
/clone_lib="Gm-c1016"
                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                           4; Indels
                                                                                                                                                                                               Score 13.6; DB 9;
Pred. No. 2.3e+04;
1; Mismatches 4;
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/clone="IMAGE:155400"
/clone="IMAGE:155400"
/clone=11b="NCI_CGAP_Kid3"
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/lab_host="NDT_CGAP_Kid3"
/lab_host="Unclose"
/lab_host="Unclose"
/lab_host="Image | Vector: pT/T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; lst strand cDNA was primed with a Not I - oligo(dT) primer, double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT/T3 vector. mRNA source: 2 pooled kidneys. Library went through one round of normalization. Library constructed by Bento Soares and M. Fatima Bonaldo.
                                                                                                                                                                                                                                          om90a02.sl NCI_CGAP_Kid3 Home sapiens cDNA clone IMAGE:1554410 3' similar to SW:N4AM_BOVIN Q05752 NADH-UBIQUINONE OXIDOREDUCTASE AB931487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDN Library Preparation: M. Bento Soares, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 64)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCI-CGAP http://www.ncbl.nlm.nih.gov/nciogap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                        Gaps
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       Length 60;
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                                                      Indels
  Score 13.6; DB 10;
Pred. No. 2.4e+04;
1; Mismatches 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                www-bio.lln1.gov/bbrp/image/image.html
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/db_xref="taxon:9606"
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Ouery Match
Best Local Similarity 75.0%;
Matches 15; Conservative
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TITLE
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AA931487
LOCUS
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KEYWORDS
SOURCE
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RESULT 5

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AA75193
Solution 11 Barstead mouse irradiated colon MPLRB7 Mus.musculus CDNA clone IMAGE:1106875 5' similar to SW:SUAR_RAT P17988 ARYL
SULFOTRANSFERASE ;, mRNA sequence.
                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Cranlata; Vertebrata; Euteleostom!; Mammalla; Eutherla; Rodentia; Sciurognath!; Muridae; Murinae; Mus. 1 (bases 1 to 52)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylle,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EST 06-SEP-2000
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Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
1. 52
/organism="Mus musculus"
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/clone="IMAGE:1106875"
/clone="IMAGE:1106875"
/dev_stage="# weeks"
/lab_host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
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                                                                                                                                                                                                                                                                                                                                                     Unpublished (1996)
Contact: Marra MyMouse EST Project
WashD'HHMI Mouse EST Project
WashD'HHMI Mouse EST Project
WashIngton University School of MedicineP
444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Fax: 314 286 1800
Fax: 314 286 1810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: mouseest@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                   The WashU-HHMI Mouse EST Project
                                                                                            AA755193.1 GI:2802391
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                                                                                                                                                          Mus musculus
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                                                                                                                                                                                                                                                                                                                  Waterston, R.
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/organism="Mus musculus"

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RESULT 8
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                                                                   Asamizu, E., Nakamura, Y., Sato, S. and Tabata, S. A large scale analysis of CDNA in Arabidopsis thaliana: Generation of 12,028 non-redundant expressed sequence tags from normalized and DNA Res. 7, 175-180 (2000)
                                                                                                                                                                                                              Contact: Erika Asamizu
The First Laboratory for Plant Gene Research
Kazusa DNA Research Institute
Yana 1532-3, Kisarazu, Chiba 292-0812, Japan
Email: asamizu@kazusa.or.jp, URL:http://www.kazusa.or.jp/en/plant/.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah

University of Utah

84112, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GSS 20-FEB-2001
Arabidopsis thaliana
pukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 25)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., M., Rose, M., Rose, M., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25 bp DNA linear GSS 20-FEB-200
2M0066E10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0066E10 F, DNA sequence.
AZ804962
                                                                                                                                                                                                                                                                                                                                                                                                                                                        /tissue_type="roots"
/note="Vector: pBluescriptII SK-; Site_1: EcoRI; Site_2:
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                                                                                                                                                                                                                                                                                                                                                         /organism="Arabidopsis thaliana"
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Insert Length: 10000 Std Error: 0.00
Plate: 0066 row: E column: 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Mismatches
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Location/Qualifiers
1. .25
                                                                                                                                                                                                                                                                                                                                                                      /strain="Columbia"
/db_xref="taxon:3702"
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                                                                                                                                                                                                                                                                                                                                                                                                                   /clone="RZ92d12R"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 UGGCTTGAAGATGTACTCGAU 21
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1 Similarity 66.7%;
14; Conservative
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Fax: 801 585 7177
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/note_voctor: PWM4can; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWM42 (gil473214/gbl/At29072.1), a copy.number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XLLO-Gold (Stratagene) cells
and selected for ampicillin resistance."
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Public Soybean EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Fax: 314 286 1810
Email: estewatson.wustl.edu
Email: estewatson.wustl.edu
South Memorial Parkway Huntsville, AL 35801 For further information
call: (800)-533-4363 or contact: ccuéresgen.com web site:
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                                                                                                                                                 /sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0066E10"
/clone=lib="Mouse 10kb plasmid UUGC1M library"
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Seq primer: -40RP from Gibco
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87.5%;
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Kyoto University
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                                                                                                                                                                                                                 /note="Vector: psporn: Site_1: Not: Site_2: Sal: This cDNA library was constructed from mRNA isolated from somatic embryos (age ranging from 2 months to 9 months) cultured on MSD 20. The library was prepared using the Life Technologies pSuperScript cDNA library construction kit. Complementary DNA was synthesized from mRNA using a poly (dT) sequence with a Not! restrictions site. Sal! linkers adapters were ligated to the blunt-ended cDNA fragments followed by Not! digestion. The cDNA fragments were directionally cloned into the Not! Sal! restriction site of the pSPORT! vector. The ligated cDNA fragments were transformed into E.coli ElectroMax DH10B host cells. This library was constructed in the laboratory of Dr. Lila Vodkin by Anu Khanna at the University of Illinois at Urbana-Champaign. e-mail: l-vodkin@tiuc.edu"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           El (Dases 1 to 64)

S. Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Joseke, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Asquence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
Unpublished (2001)

Contact: Joseph R. Ecker
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Fax: 858 558 6379
Email: ecker@salk.edu
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tion lines
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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                                                                                                                                                                          /tissue_type="somatic embryos cultured on MSD 20" /lab_host="DH10B"
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                                                                                                  /db_xref="taxon:3847"
/clone="SOYBEAN CLONE ID: Gm-c1036-6692"
/clone_lib="Gm-c1036"
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/db_xref="taxon:3702"
/clone="SALK_070808.52.35.x"
                                                                           /organism="Glycine max"
High quality sequence stop: 70. Location/Qualifiers
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Arabidopsis thaliana
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nes 13; Conservative
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BH850101/c
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AV957775 Nori Satch unpublished cDNA library, egg Clona intestinalis cDNA clone cieg05111 5', mRNA sequence.
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/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of Which contents one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
11 of 11 g 21 thalian thalian thalian.
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1 (bases 1 to 74)
Satou, Y., Kohara, Y. and Shin-1, T.
Expressed genes in Ciona intestinalis
Unpublished (2000)
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/tissue_type="whole animal"
/dev_stage="egg"
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                                                                                                                                                                                                                                                       Query Match 60.0%; Score 12.6; DB 17; Length 64; Best Local Similarity 78.9%; Pred. No. 7.2e+04; Matches 15; Conservative 0; Mismatches 4; Indels (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: satoheascidian.zool.kyoto-u.ac.jp.
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/db_xref="taxon:7719"
/clone="cieg05111"
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Tel: 81-75-753-4081
Fax: 81-75-705-1113
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Department of Zoology
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Ciona intestinalis
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Best Local Similarity 73.77
Matches 14; Conservative
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. E. (bases 1 to 21)

Kato, K. and Matcha, R. Generation of expressed sequence tags from mouse brain

L. Onpublished (2002)

Contact: Kikuya kato

Graduate School of Biological Sciences

Nara Institute of Science and Technology

8916-5 Takayama, Ikoma, Nara 630-0101, Japan

Tel: 81-743-72-5581

Fax: 81-743-72-5589

Email: kkato&sasiat-nara.ac.jp,

URL:http://love2.aist-nara.ac.jp/BED/index.html.
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LacZ fusion, Vegetative expression, Beta-gal fusion localization
LacZ fusion, Vegetative expression, Beta-gal fusion localization
pattern: diffuse cytoplasmic: Disruption phenotype: inviable, large
budded arrest; Fusion: codon 222 of RNR2 gene. Sequence below near
or adjacent to lacZ.
Seq primer: LacZ sequences in transposon.
Location/Qualifiers
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Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Saccharomycetales;
Closes 1 to 41)
Burns, N., Grimwade, B., Ross-Macdonald, P.B., Choi, E.-Y., Finberg, K., Roeder, G.S. and Snyder, M.
Large-scale analysis of gene expression, protein localization and gene disruption in Saccharomyces cerevisiae
Genes Dev. 8, 1087-1105 (1994)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mps v288 The blue guys library Saccharomyces cerevisiae cDNA sequence upstream of LacZ fusion similar to RNR2, M17221, mRNA
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Pred. No. 6.2e+04;
1; Mismatches 1; Indels
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/clone_lib="The blue guys library"
/lab_host="E.coli"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mRNA
                                                                                                                                                                                                                                                                                                                                1. .21 /organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                     /db_xref="taxon:10090"
/clone="BED0007940"
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New Haven CT 06520-8103
Tel: 2034326139
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85.7%;
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T17567
T17567.1 GI:458589
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Best Local Similarity 85.7°
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MEDLINE
COMMENT
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TITLE
JOURNAL
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T17567/c
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prepared in the vector pHSS6, and subjected to transposon mutagenesis with mTn3. This mini-transposon carries lacz sequences that lack an initiation codon; expression of lacz is only provided by in frame fusion to yeast coding sequence. The yeast genomic DNA carrying the transposon was excised from pHSS6 and transplaced back onto the yeast chromosome. Yeast colonies expressing lacz were screened for in a color assay. A plasmid containing the genomic DNA/lacz fusion junction was recovered from each individual yeast colony that expressed lacz activity. These recovered plasmids comprise 'The blue guys library'. The fusion junction was then sequenced to identify the expressed ORF upstream of the fusion. " a 14 c 5 g 13 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Suzuki, Mirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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Diverse transcriptional intiation revealed by fine, large-scale mapping of mRNA start sites
EMBO. 2 (5), 388-393 (2001)
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
8 c 17 g 11 t
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="CAS07662"
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AU103181.1 GI:13552702
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Best Local Similarity
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostoml;

Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)

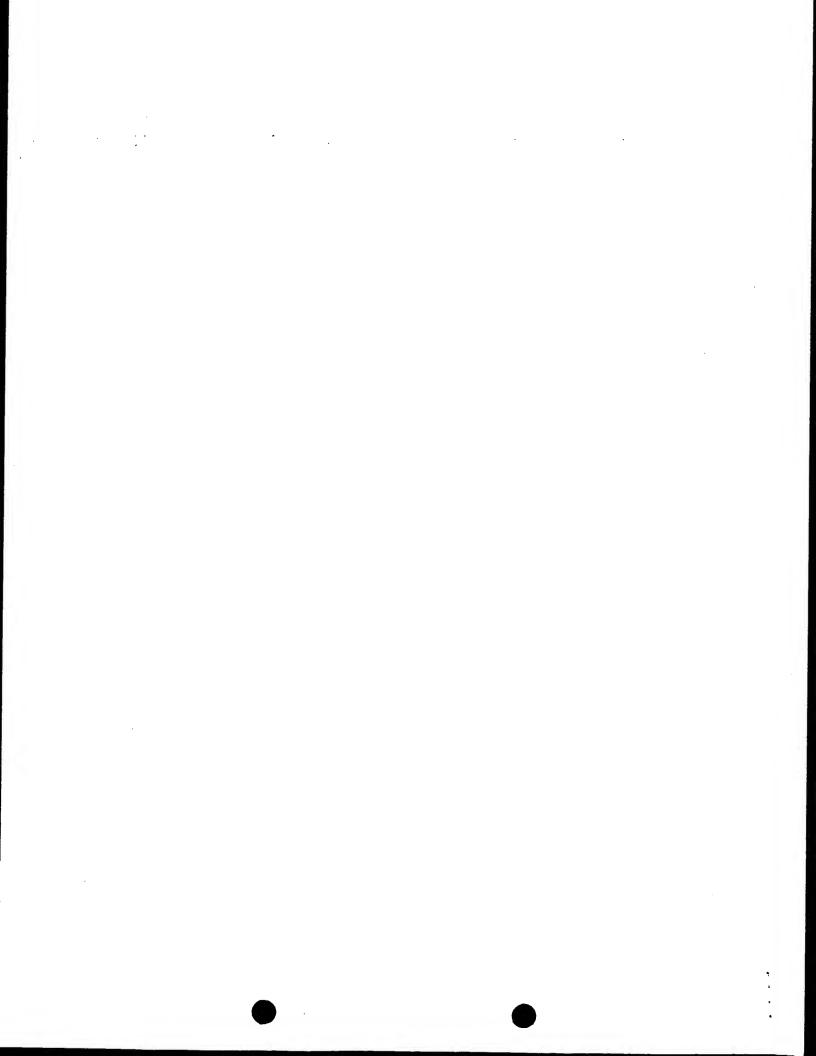
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A., and Sugano,S.

Mix. Nakamura,Y., Suyama,A., and Sugano,S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                             Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
Suzuki,Y., Taira, H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamrasi,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                             AU101182 Sugano Homo sapiens CDNA library Homo sapiens CDNA CLOSE CAS12355, mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
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/db_xref="taxon:9606"
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AU103187
AU103187.1 GI:13552708
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AU103182.1 GI:13552703
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Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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/clone="HEPQ4033"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
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Pred. No. 1e+05;
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                                                                                                                                                                                                                                                                                                                                     58.18;
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GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

December 23, 2002, 05:39:00; Search time 67 Seconds Run on:

(without alignments)
124.388 Million cell updates/sec

1 uggettgaagatgtaetegau 21 US-09-805-761-34 Perfect score: Sequence:

IDENTITY_NUC Gapox 1.0 Scoring table:

356696 seqs, 198428768 residues Searched:

203266 ptal number of hits satisfying chosen parameters:

Inimum DB seq length: 0 Maximum DB seq length: 75

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published_Applications_NA:*

| cgn2_6/ptodata2/2pubpna/US07_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Pegul 1	±		المار					
	NO.	Score	Match	Match Length DB	DB	ΩI	Description	
	-	21	100.0	21	6	US-09-805-761-2	Sequence 2, Appli	
	~	21	100.0	21	σ	US-09-805-761-34	Sequence 34, Appl	
U	٣	21	100.0	21	σ	US-09-805-761-50	Sequence 50, Appl	
	4	21	100.0	33	6	US-09-805-761-28	Sequence 28, Appl	
	Ŋ	21	100.0	48	10	US-09-795-006A-15	Sequence 15, Appl	
υ	9	21	100.0	62	σ	US-09-805-761-30	Sequence 30, Appl	
	7	20	95.2	20	თ	US-09-805-761-23	Sequence 23, Appl	
	8	20	95.2	20	6	US-09-805-761-26	Sequence 26, Appl	
	6	20	95.2	21	6	US-09-805-761-16	Sequence 16, Appl	
	10	20	95.2	21	6	US-09-805-761-17	Seguence 17, Appl	
	11	19.4	92.4	21	6	US-09-805-761-49	49,	
	12	19	90.5	19	6	US-09-805-761-24	Sequence 24, Appl	
	13	19	90.5	19	σ	US-09-805-761-27	Sequence 27, Appl	
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	15	19	90.5	21	6	US-09-805-761-18		
O	16	18.4	87.6	21	6	US-09-805-761-55	Sequence 55, Appl	
	17	18	85.7	18	6	US-09-805-761-25	Sequence 25, Appl	
	18	18	85.7	21	σ	US-09-805-761-14	Sequence 14, Appl	
	19	18	85.7	21	6	US-09-805-761-19	Sequence 19, Appl	

Sequence 48, Appl Sequence 20, Appl Sequence 21, Appl Sequence 13, Appl Sequence 22, Appl Sequence 12, Appl Sequence 11, Appl Sequence 155, Appl Sequence 11, Appl Sequence 48, Appl Sequence 48, Appl Sequence 48, Appl Sequence 48, Appl Sequence 68, Appl Sequence 68	Sequence 9, Appli Sequence 4, Appli Sequence 21, Appl Sequence 21, Appl Sequence 639, App Sequence 1246, Ap
5555 55 555	US-09-805-761-9 US-09-852-000-4 US-09-852-000-5 US-10-055-364-21 US-09-801-274-639 US-09-801-274-246 US-09-835-371-34
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33 33 33 33 33 33 33 33 33 33 33 33 33	6444444 00112640
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ALIGNMENTS

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APPLICANT: GLIA, FGLACENI
APPLICANT: GLIA, FGLACENI
TITLE OF INVENTION: WETHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: WEGF CLIGONUCLECTIDES
FILE REFERENCE: 21327-701CONZ
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: PCT/US01/00019
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR PELING DATE: 2000-11-24
PRIOR PELING DATE: 1000-11-24
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
NUMBER OF SEQ ID NOS: 64
SOFWWARE: FASLSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 21

**LENGTH: 21

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                                                                                                                        Sequence 2, Application US/09805761 Patent No. US202020165174A1 GENERAL INFORMATION: APPLICANT: Gill, Parkesh
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RESULT 1
ds-09-805-761-2
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Gaps ö Query Match 100.0%; Score 21; DB 9; Length 21; Best Local Similarity 90.5%; Pred. No. 0.047; Matches 19; Conservative 2; Mismatches 0; Indels 1 UGGCTTGAAGATGTACTCGAU 21

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RESULT 2

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GENERAL INFORMATION:

APPLICANT Alitalo et al.

TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
TITLE OF INVENTION: MEDOTHELIAL GROWTH FACTOR DNAS AND PROTEINS
TITLE OF INVENTION: DATE: 18967/35977B
CURRENT APPLICATION NUMBER: US/09/795,006A
CURRENT FILING DATE: 2001-02-26
PRIOR PELICATION NUMBER: US 60/205,331
PRIOR APPLICATION NUMBER: US 60/185,205
PRIOR PELING DATE: 2000-05-18
PRIOR PELING DATE: 2000-05-18
SOFTWARR: PARIOR FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 175
SOFTWARR: Patentin Ver: 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-805-761-28
Sequence 28, Application US/09805761
Patent No. US20020165174A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
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                                                                                         Query Match
Best Local Similarity 90.57
Matches 19; Conservative
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US-09-795-006A-15
                       US-09-805-761-50
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                       Sequence 34, Application US/09805761
Sequence 34, Application US/09805761
Sequence 34, Application US/09805761
Sequence 34, Application US/09805761
Sequence 36, Application Sequence 36
Sequence 31, Application Sequence 37
Sequence 31, Application 31
Sequence 31
Sequence 31, Application 31
Sequence 31
Sequence 31
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APPLICANT: Masood, Rizwan
TITLE OF INVENTION: WFEFFORDES
FILE REFERENCE: 21327-701CON2
CURRENT PAPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: US 09/487,023
PRIOR APPLICATION NUMBER: US 09/487,023
PRIOR APPLICATION NUMBER: US 09/016,541
PRIOR APPLICATION NUMBER: US 09/016,541
PRIOR FILING DATE: 2000-11-24
PRIOR FILING DATE: 1998-01-30
SPRIOR FILING DATE: 1997-01-31
NUMBER OF SEQ ID NOS: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 21; DB 9; Length 21; 100.0%; Pred. No. 0.047;
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; Sequence 50, Application US/09805761
; Patent No. US20020165174a1
; GENERAL INFORMATION:
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LOCATION: (1)
US-09-805-761-34
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GENERAL INCUCRATION:

APPLICANT: Gill, Parkesh

TITLE OF INVENTION: WETHODS AND COMPOSITIONS FOR ANTISENSE

TITLE OF INVENTION: VEGF OLIGONUCLEOTIDES

FILE REFERENCE: 21327-701CON2

CURRENT APPLICATION NUMBER: US/09/805,761

CURRENT APPLICATION NUMBER: US/09/805,761

CURRENT APPLICATION NUMBER: US/09/805,761

PRIOR PILING DATE: 2001-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR PELING DATE: 1998-01-30

PRIOR PELING DATE: 1998-01-30

PRIOR FILING DATE: 1998-01-30

PRIOR FILING DATE: 1998-01-30

PRIOR FILING DATE: 1998-01-30

PRIOR FILING DATE: 1998-01-30

SOFTWARE: FESTERE FOR WINDOWS VERSION 4.0

SEQ ID NO. 28

FRANCH: 78
                                                              Indels .
100.0%; Score 21; DB 9; Length 21; 90.5%; Pred. No. 0.047; cive 2; Mismatches 0; Indels .
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Sequence 16, Application US/09805761
Patent No. US200201651174A1
GENERAL INFORMATION:
APPLICANT: G111, Parkesh
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                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 GGCTTGAAGATGTACTCGAU 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GGCTTGAAGATGTACTCGAT 20
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OTHER INFORMATION: Description of Artificial Sequence: Artificial chimeric OTHER INFORMATION: oligonucleotide sequence derived from multiple vertebrate vascula OTHER INFORMATION: endothelial growth factor US-09-795-006A-15
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APPLICANT: G111, Parkesh
APPLICANT: G111, Parkesh
TITLE OF INVENTION: WETHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: VEGF OLIGONUCLEOTIDES:
FILE REFERENCE: 21327-701CON3
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: PCT/US01/00019
PRIOR APPLICATION NUMBER: BCT/US01/00019
PRIOR APPLICATION NUMBER: US 09/487,023
PRIOR APPLICATION NUMBER: US 09/487,023
PRIOR APPLICATION NUMBER: US 09/016,541
PRIOR FILING DATE: 2000-01-19
PRIOR PELING DATE: 1900-11-24
PRIOR APPLICATION NUMBER: US 60/016,541
PRIOR APPLICATION NUMBER: US 60/037,004
PRIOR APPLICATION NUMBER: US 60/037,004
PRIOR APPLICATION NUMBER: US 60/037,004
PRIOR FILING DATE: 1997-01-31
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FASELED FOR WINDOWS VERSION 4.0
SEQ ID NO 30
                                                                                                                   ; Score 21; DB 10; Length 48; Pred. No. 0.056; 2; Mismatches 0; Indels
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Pred. No. 0.059;
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
FILE OF INVENTION: VEGF OLIGONUCLEOTIDES
FILE REFERENCE: 21327-7010207
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
                                                                                                                                                                       0; Indels
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2; Mismatches
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PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/487,023
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Patent No. US20020165174A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 30, Application US/09805761
; Patent No. US20020165174A1
                                                                                                                   Query Match
100.0%;
Best Local Similarity 90.5%; F
Matches 19; Conservative 2;
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Local Similarity 90.5%; Hes 19; Conservative 2;
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                                                                                                                                                                                                                                          1 UGGCTTGAAGATGTACTCGAU 21
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; OTHER INFORMATION: VEGF-A
US-09-805-761-30
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APPLICANT: Masood, Rizwa
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: VEGE OLIGONUCLEOTIDES
FILE REFERENCE: 2327-701CON2
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 1909-01-0
PRIOR FILING DATE: 1909-01-0
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
SOFTWARE: FSELSEQ FOR WINDOWS VERSION 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
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0.15;
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PRIOR FILING DATE: 2000-01-19
PRIOR APPLICATION NUMBER: US 09/016,541
PRIOR FILING DATE: 2000-11-24
PRIOR APPLICATION NUMBER: US 09/016,541
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FastSEQ for Windows Version 4.0
SCACTANARE: PastSEQ for Windows Version 4.0
SCACTANARE: 20
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Patent No. US20020165174A1
GENERAL INFORMATION:
APPLICANT: Gill, Parkesh
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1 GGCTTGAAGATGTACTCGAT 20

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## APPLICANT: Masood, Rizwan
| TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
| TITLE OF INVENTION: WEST OLIGONUCLEOTIDES
| FILE REFERENCE: 21327-701CON2
| CURRENT FILING DATE: 2001-03-13
| PRIOR APPLICATION NUMBER: US /09/805,761
| PRIOR FILING DATE: 2001-01-19
| PRIOR PILING DATE: 2000-01-19
| PRIOR FILING DATE: 2000-01-19
| PRIOR PILING DATE: 2000-01-12
| PRIOR APPLICATION NUMBER: US 09/016,541
| PRIOR PILING DATE: 1908-01-30
| PRIOR FILING DATE: 1998-01-30
| PRIOR FILING DATE: 1998-01-31
| NUMBER OF SED ID NOS: 64
| SEQ ID NOS: 64
| SEQ ID NO 16
| LENGTH: 21
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE;
TITLE OF INVENTION: VEGF OLIGONUCLEOTIDES
FILE REFERENCE: 2327-701CON2
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: PCT/US01/00019
PRIOR PILING DATE: 2001-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-24
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17, Application US/09805761 Patient No. US200210165174A1 GENERAL INFORMATION:
APPLICANT: G111, Parkesh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 95.0%
Matches 19; Conservative
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; OTHER INFORMATION: A mutation of the antisense oligonuclectide SEQ ID ; OTHER INFORMATION: NO: 2 US-09-805-761-49
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                                                                                  GENERAL INCOMENTION:
GENERAL INCOMENTION:
GENERAL INCOMENTION:
APPLICANT: MASCOD, Rizwan
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: WERFOLGEOTIDES
FILE REFERENCE: 21327-701CON2
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: DCT/USO1/00019
PRIOR APPLICATION NUMBER: DCS 99/487,023
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR PELLING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1999-01-31
PRIOR FILING DATE: 1999-01-31
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 49
SEQ ID NO 49
LENGTH: 21
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APPLICANT: G111, Parkesh
APPLICANT: G111, Parkesh
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: VEGF COLIGONUCLEOTIDES
FILE REFERENCE: 21327-701CON2
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT APPLICATION NUMBER: PCT/US01,00019
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR PRILOR DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-31
NUMBER OF SEQ ID NOS: 64
SOFTWARR: FASTSEQ for Windows Version 4.0
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Pred. No. 0.32;
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US-09-805-761-49
; Sequence 49, Application US/09805761
; Patent No. US20020165174A1
; GENERAL INFORMATION:
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Patent No. US20020165174A1
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.7%;
Matches 18; Conservative
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SEQ ID NO 15
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LENGTH: 21
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SEQUENCE NO. USES CONTROL SET CONTROL SERVEN

TITLE OF INVENTION WETHODS AND COMPOSITIONS FOR ANTISENSE

FILE REFERENCE: 21327-701C0N2

CURRENT APPLICATION NUMBER: US(09/0805,761

CURRENT FILING DATE: 2001-01-19

PRIOR PILING DATE: 2000-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR FILING DATE: 1000-01-19

PRIOR FILING DATE: 1909-01-30

PRIOR PILING DATE: 1909-01-30

PRIOR FILING DATE: 1909-01-31

NUMBER: US SEQ ID NOS: 64

SOFTWARE: FEASTER FOR Windows Version 4.0

SEQ ID NO 27
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Sequence 15, Application US/09805761

Sequence 15, Application US/09805761

SEQUENCE INFORMATION:

APPLICANT: G111, Parkesh

APPLICANT: G111, Parkesh

TITLE OF INVENTION: WETHODS AND COMPOSITIONS FOR ANTISENSE

FILE REFERENCE: 21327-701C0N2

CURRENT APPLICATION NUMBER: US/09/805,761

CURRENT FILING DATE: 2001-03-13

PRIOR FILING DATE: 2001-01-19

PRIOR FILING DATE: 2000-01-19

PRIOR PILING DATE: 2000-01-19
                                                                                            90.5%; Score 19; DB 9; Length 19; 94.7%; Pred. No. 0.5; Live 1; Mismatches 0; Indels
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; FEATURE:
; OTHER INFORMATION: VEGF antisense oligonucleotide
US-09-805-761-24
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ORGANISM: Artificial Sequence
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Best Local Similarity 94.7%
Matches 18; Conservative
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Matches 18; Conservative
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANTISENSE
TITLE OF INVENTION: WEGE OLIGONUCLEOTIDES
FILE REPERENCE: 2137-701CON2
CURRENT APPLICATION NUMBER: US/09/805,761
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: US 09/487,023
PRIOR FILING DATE: 2000-01-19
PRIOR PILING DATE: 2000-01-19
PRIOR FILING DATE: 2000-01-19
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1999-01-31
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PASKERQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                   Length 21;
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                                                                                                                                                                                                                                                                                                         90.5%; Score 19; DB 9; 94.7%; Pred. No. 0.51; tive 1; Mismatches
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: US 60/037,004
PRIOR FILING DATE: 1997-01-31
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FastSEQ for Windows Version 4.0
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Job time : 67 secs
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Patent No. US20020165174A1
                                                                                                                                                                                        ORGANISM: Artificial Sequence
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Matches 18; Conservative
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Matches 18; Conservative
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APPLICANT: Gill, Parkesh
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US-09-805-761-18
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GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
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December 23, 2002, 05:06:49; Search time 3267 Seconds (without alignments) 187.070 Million cell updates/sec OM nucleic - nucleic search, using sw model Run on:

US-09-805-761-34 21 1 uggcttgaagatgtactcgau 21 Title: Perfect score:

Sequence:

IDENTITY_NUC Gapov 10.0 , Gapext 1.0 Scoring table:

941340 tal number of hits satisfying chosen parameters:

2054640 segs, 14551402878 residues

Searched:

Inimum DB seq length: 0 Maximum DB seq length: 75

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

GenEmbl:* Database :

9b_ba:#
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Pred. No. is the number of results predicted by chance to have a em_htgo_other:*

em_htg_mam: *
em_htg_vrt: *
em_sy: *
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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

criptio	AR170717 Sequence	AX203667 Sequence AX203699 Sequence	AX203715 Sequence	AX203693 Sequence	E11023 DNA fragmen	AX234365 Sequence AX203695 Sequence	AR118924 Sequence	AX203688 Sequence AX203691 Sequence	AX203681 Sequence	AX203682 Sequence AX203714 Sequence	AX203689 Sequence	AXZU359Z Sequence AXZ03680 Sequence	AX203683 Sequence	AX203690 Sequence	AX203679 Sequence	AX203713 Sequence	AX203685 Sequence	AX133299 Sequence	AX203686 Sequence	AAZUSO/8 Sequence A91017 Sequence 14	E50976 Assay, rece	AX009100 Sequence	AR118925 Sequence	E14235 Antisense o	AX365962 Sequence	AX203677 Sequence	AXIII382 Sequence	AX081924 Sequence	AX081926 Sequence	AR118923 Sequence AX203675 Sequence	A15397 Synthetic P			inear PAT 1/-DEC-2001				of kaposi's sarcoma
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sult No. Score	21	217	21	7 5	7 21	21	10 20	700	500	5 19.4	19	19	18 4	21 18	3 18	17.8	17	7 16	15 4	30 15.2	15.2	3 15	15	5 15	7 14.8	14.4	14.2	41 14	14	14	5 13.8		RESULT 1 ARI70717	z _		X	Uncline REFERENCE 1 ()	
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AX203715.1 GI:15393165
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Matches 19; Conservative
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AX203715/c
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/db_xref="taxon:32630"
/note="Mixed backbone oligonucleotides, nucleotides 1-4
and 18-21 are 2'0 methylribonucleosides"
3 c 6 9 7 t
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/db_xxsf="texon:32630"
/note="vyEGF antisense oligonucleotide"
3 c 6 9 7 t
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artificial sequences.
1 (bases 1 to 21)
G111, P.S. and Masod, R.
Methods and compositions for antisense Patent. WO 0152904-A 34 26-JUL-2001;
G111, Garkash, S. (US)
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                                                          Score 21; DB
Pred. No. 19;
2; Mismatches
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2; Mismatches
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Sequence 34 from Patent WO0152904.
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            /organism="unknown"
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90.5%; P
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1 (bases 1 to 21)
Gill, P.S. and Masood
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Best Local Similarity 90.5%;
Matches 19; Conservative
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Best Local Similarity
Matches 19; Conserv
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 21),
Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 50 26-JUL-2001;
Gill, Parkash, S. (US)
Location/Qualifiers
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synthetic construct
artificial sequences.
1 (bases 1 to 33)
Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904 A. 28 26-UL-2001;
Gill, Parkash, S. (US)
Location/Qualifiers
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/organism="synthetic construct"
/db_xref="taxon:32630"
/note="VECF antisense oligonucleotide"
/ 11 q 7 t
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2; Mismatches
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Sequence 28 from Patent WO0152904.
AX203693
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/protein_id="CAC60149.1"
/db_xref="GI:15393166"
/translation="IEYIFKP"

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    /organism="Homo sapiens"
    /db_xref="taxon:9606"

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27-JUN-1994 JP 94P 145146
UCHIDA KIYOSHI, UCHIDA TAKAYOSHI, TANAKA YOICHI, MATSUDA YOKO,
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'note='its antisense DNA inhibits VEGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 (bases 1 to 42)
Uchida,K., Uchida,T., Tanaka,Y., Matsuda,Y. and Kondo,S.
METHOD FOR SEARCHING ANTISENSE NUCLETC ACID
PATENT: JP 1996070899-A 7 19-MAR-1996;
OS UNKNOWN
                                                                                                                                                  1 (bases 1 to 42)
Uchida,K., Uchida,T., Tanaka,Y., Matsuda,Y. and Kondo,S.
Antisense nucleic acid compound targeted to VEGF
Patent: US 6150092-A 7 21-MOV-2000;
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                                                                                                                                                                                                                                                                                          2; Mismatches
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                                                     Sequence 7 from patent US 6150092. AR118881
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C12Q1/68,C12N15/09,G01N33/50;
strandedness: Single;
topology: Linear;
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/db_xref="taxon:32644"
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13 TGGCTTGAAGATGTACTCGAT 33
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E11023/c
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PAT 30-AUG-2001
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synthetic construct
artificial sequences.

1 (bases 1 to 48)
Alitalo, K.M. and Jeltsch, M.M.
Materials and methods involving hybrid vascular endothelial growth factor dnas and proteins accreening methods for modulators
Patent: WO 0162942-A 15 30-AuG-2001;
LUDWIG INSTITUTE FOR CANCER RESEARCH (US); Licentia OY (FI)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom1;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 62)
Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 30 26-JUL-2001;
Gill, Parkash, S. (US)
Gill, Parkash, S. (US)
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100.0%; Score 21; DB 6; Length 42; 90.5%; Pred. No. 18;
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/protein_id="CAC60146.1"
/db_xre="GT:1539138"
/translation="IEYIFKPSCVPLMRCGGCCN"
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/db_xref="taxon:32630"
/note="oligonucleotide"
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Pred. No. 18;
2; Mismatches
                                     Mismatches
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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/note="VEGF-A"
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Best Local Similarity 90.5%;
Matches 19; Conservative 2
                 Best Local Similarity 90.5
Matches 19; Conservative
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95.0%;
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Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 32 26-JUL-2001;
Gill, Parkash, S. (US)
Location/Qualifiers
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Uchida,K., Uchida,T., Tanaka,Y., Matsuda,Y. and Kondo,S.
Antisense nucleic acid compound targeted to VEGF
Patent: US 6150092-A 50 21-NOV-2000;
Location/Qualifiers
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Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 16 26-JUL-2001;
Gill, Parkash, S. (US)
Location/Qualifiers
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artificial sequences.
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(611).P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 17 26-JUL-2001;
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Gill, P.S. and Masood, R.
Methods and compositions for antisense Patent: WO 0152904-A 26 26-JUL-2001;
Gill, Parkash, S. (US)
Location/Qualifiers
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Gill, P.S. and Masood, R.
Methods and compositions for antisense vegf oligonucleotides
Patent: WO 0152904-A 49 26-JUL-2001;
Gill, Parkash, S. (US)
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95.2%; Score 20; DB 6; Length 21;
Best Local Similarity 95.0%; Pred. No. 58;
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Sequence 49 from Patent WO0152904.
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Gill, Parkash, S. (US)
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